

Industrial Single Board Computer

5.25" Embedded Miniboard

LS-573

Support Intel Penryn CPU with DDRIII SO-DIMM, CRT, LVDS, DVI, HDTV, Gigabit LAN, PCI slot, USB, Serial ATAI, Mini PCI, PCI Express mini card, HD Audio, RS232/422/485.



Form Factor	5.25-inch Embedded Miniboard
CPU	Support Intel Penryn Processor Package type: Micro-FCPGA478 (Socket-P) Front side bus: 667/800/1066 MHz
Memory	Two DDRIII 800/1066 up to 4GB
Chipset	Intel GM45 & ICH9-M (82801IBM)
Real Time Clock	Chipset integrated RTC with onboard lithium battery
Watchdog Timer	Generates a system reset with internal timer for 1min/s ~ 255min/s
Power Management	ACPI 1.0 compliant, supports power saving mode
Serial ATA Interface	4 x serial ATAI interface with 300MB/s transfer rate
VGA Interface	Intel integrated extreme GMA X4500 (Graphic Media Accelerator) Technology One optional RGB DAC with 10-pin DB9 connector (Only LS-573T2X)
Video Memory	Up to 384MB shared with system memory
DVI Interface	Onboard DVI transmitter with 26-pin DVI connector (Only LS-573TXD)
LVDS Interface	Onboard 18/24-bit dual channel LVDS interface with +3.3V/+5V/+12V supply
Audio Interface	Intel integrated ICH9-M with Realtek ALC888 HD Audio
LAN Interface	6 x Intel 82574L Gigabit LAN
GPIO interface	Onboard programmable 8-bit Digital I/O interface
Extended Interface	One PCI Express mini card, One PCI slot, One Mini PCI Type IIIA socket
Internal I/O Port	1 x GPIO, 1 x Parallel, 6x USB, 1 x LVDS, 1 x LCD inverter connector, 1 x HDTV, 1 x Front panel Audio, 1 x CDIN connector, 1 x PS/2, 1 x RS232/422/485, 4 x RS-232, 1 x IrDA, 1 x SMBus, 1 x DVI (Only LS-573TXD), 1 x VGA (Only LS-573T2X)
External I/O Port	1 x RS-232 Port, 6 x LAN Port, 2 x USB Port, 1 x VGA Port, 1 x DC connector
Temperature	Operating within 0~60 centigrade Storage within -20~85 centigrade
Power Requirement	Standard 20-pin ATX power supply or 9~24V full range DC Input (8~30V is operative)
Dimension	203 mm x 146 mm

Ordering Code

LS-573TX	Onboard CRT, LVDS, HDTV, 6 x Intel Gigabit LAN, 8 x USB2.0, PCI, Mini-PCI, GPIO, IrDA, PCI Express mini card, Parallel, RS232/422/485, 4 x SATA, HD Audio and SMBus
LS-573T2X	Onboard 2 X CRT , LVDS, HDTV, 6 x Intel Gigabit LAN, 8 x USB2.0, PCI, Mini-PCI, GPIO, IrDA, PCI Express mini card, Parallel Port, RS232/422/485, 4 x SATA, HD Audio and SMBus
LS-573TXD	Onboard CRT, LVDS, HDTV, 6 x Intel Gigabit LAN, 8 x USB2.0, PCI, Mini-PCI, GPIO, IrDA, PCI Express mini card, Parallel, RS232/422/485, 4 x SATA, HD Audio and SMBus, DVI
MPX-574D	PCI Express mini card supports single Giga LAN (Only LS-573TX)
MPX-SDVOD	SDVO to DVI module (LS-573TX, LS-573TXD, LS-573T2X)
ADP-L2T	18bit LVDS to TTL module

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